



# ozobot

## Robotics meets imagination

### What is Ozobot?

Whether you are a seasoned engineer or a primary school student, Ozobot Bit can be as fun or challenging as you make it. Simple and intuitive to use on one side, highly programmable and versatile on the other - there is something for every type of thinker, with this tiny tinker robot. The Ozobot classroom experience is becoming an essential tool in today's millennial classroom. Take your classroom to the next level of learning with Ozobot. If you can dream it, you can create it with Ozobot - a learning toy that opens the doors of computer science, STEM education, robotics and coding through creative play as endless as a child's imagination, one game at a time. Empower your students to embrace the future and become a maker of technology, not just a user.

### A tiny, smart, power-packed robot. The future fits in their hand.

Measuring slightly over an inch, Ozobot is one of the world's smallest smart robot toys. There is no end to the possibilities, as your student's create a different landscape of adventures, games and coding with Ozobot Bit.

### Educational toys for a new generation.

Imagine the possibilities as your students gain confidence, mastering STEM learning and robotics, taking them one step ahead of the curve in school and in life. It creates a whole new meaning to indoor play - make time spent inside count! Computer science is child's play as adventures, games and codes become as easy as laughter, when your students connect with the power of their own creations. Students learn how to channel their ideas into reality, creating private games, secret codes and their very own robotic equations, putting them at the forefront of learning without even realising it.

### Program like a pro and advance with activities.

It's easy to program Ozobot Bit. Control your robot with OzoCodes by simply drawing lines and color segments. Then advance to our visual block-based editor OzoBlockly, with its many features and modes, taking you from Novice to Master in no time at all.

Starting with coloured markers, Ozobot takes kids on a fun and mesmerising experience through creative drawing, problem solving and group challenges by colouring code commands in the form of basic colour combinations. Learning how to control Ozobot is easy, through colour codes with just regular paper and four primary colour markers. Your students' can advance with exciting DIY and STEM activities that are as limitless as their creativity. Finally, they will master the technology and have hours of fun using Ozobot apps and web-based games and challenges.

### Advance with block-based programming.

Ozobot Bit's ability to learn your programs, and then play them back is a big game changer to how young minds play and learn. OzoBlockly - a web-based visual editor - offers five step up modes from icon-based to loops, logic and equation blocks to appeal to young kids and even to challenge the seasoned programmers.

### How does Ozobot work?

#### Main Board.

The Main board houses the micro-controller (a.k.a. Ozobot's brain) and most of the auxiliary circuitry that controls Ozobot's function.

#### Friction Drive.

Twin micro-motors and a friction drivetrain deliver quiet and precise movements at speeds ranging from 15-85mm/sec.

#### Optical Sensors.

Ozobot's line and colour sensors help the bot navigate its environment and detect colour codes. These optical sensors are also used for light communication. No need for cables or Bluetooth - you can load your programs onto the robot through flashing lights!

#### Li-Po Battery.

Built-in Li-Po battery provides quick recharge via a micro-USB port and delivers over an hour of continuous action on a single charge.

#### Draw and Play.

Control Ozobot with color markers by drawing lines and codes for it to explore. Connecting to the tiny robot like a new friend, kids of all ages will mold their own state of play, one line at a time.

#### Just press print.

It's easy to download and play our printable games. With so many different races, mazes, and games of chance, you will quickly be inspired to create your very own.

#### Digital gets physical.

When playing digital apps with a physical toy, it bridges the gap between the physical and digital realm - creating a whole new world of play.

#### Tap and Play.

You can even play interactive games with Ozobot in the web browser of your tablet.

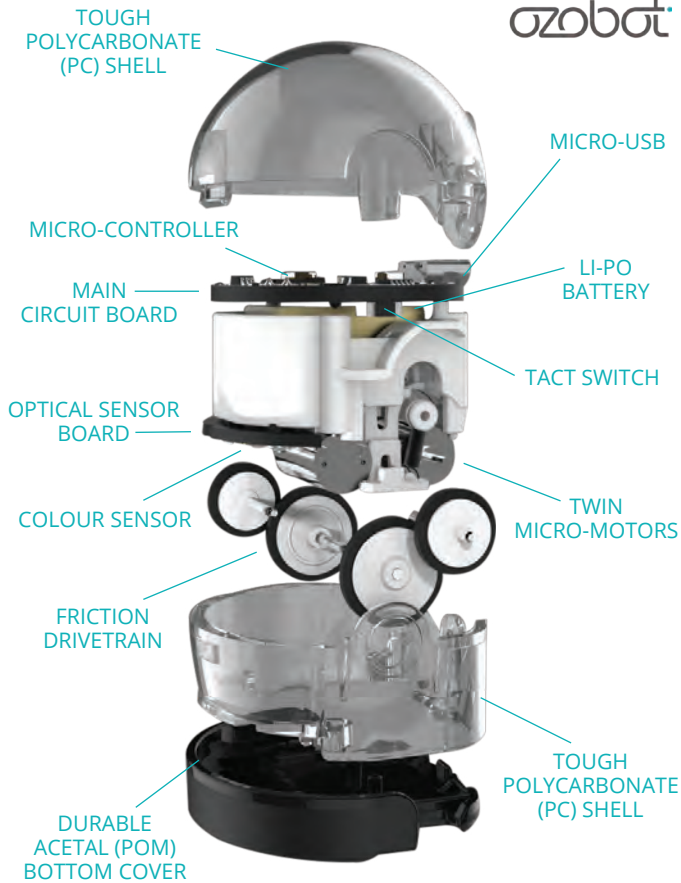
#### Code to Play.

OzoBlockly Games is learning coding, gamified. Explore these fun games with Ozobot Bit that actually teach you how to program. It's also a great way to learn how to control Ozobot and begin coding with OzoBlockly.

**AWARD WINNING** | 2015 Kapi's Best Robot toy, 2015 Toy of the Year (TOTY) finalist & CES 2015 Editor's Choice award winner.



ozobot®



### Ozobot Bit 2.0

#### What's in the box:

- 1 x Ozobot Bit.
- 1 x custom skin.
- 1 x carrying case.
- 1 x USB charging cable.
- A demo playground.
- A Quick Guide instruction booklet.

CRYSTAL WHITE

\$web

OZOBOTWH

TITANIUM BLACK

\$web

OZOBOTB

### Ozobot Bit 2.0 Duo Pack

#### What's in the box:

- 2 x Ozobot Bit 2.0 (1 x Titanium Black and 1 x Crystal White).
- 4 x custom skins.
- 2 x carrying cases.
- 2 x USB charging cables.
- A demo playground.
- A Quick Guide instruction booklet.

PACK OF 2

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OZOBOTDUO



### Ozobot Bit 2.0 Workshop Pack

#### What's in the box:

- 3 x Ozobot Bit 2.0 Duo Packs = 6 Ozobot Bit 2.0's in total (made up of 3 x Ozobot Bit 2.0 Titanium Black and 3 x Ozobot Bit 2.0 Crystal White).
- 12 x custom skins.
- 6 x carrying cases.
- 6 x USB charging cables.
- 3 x demo playgrounds.
- 3 x Quick Guide instruction booklets.

PACK OF 6

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OZOBOTWP

### Ozobot Bit 2.0 Classroom Kit NEW

- 18 x Ozobot Bit 2.0 (9 black, 9 white).
- 1 x set of learning resources.
- 3 x 6-port charging stations.
- 2 storage tubs.

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OZOBOTCL

## Accessories

### STAEDTLER® Lumocolor® Permanent Markers

Chisel Point. 2-5mm.  
Asst. colours.  
**350 WP4**  
Wallet of 4 \$web



### Cartridge/Drawing Paper

110gsm.

- |              |    |             |       |
|--------------|----|-------------|-------|
| <b>40007</b> | A3 | Pack of 500 | \$web |
| <b>40004</b> | A2 | Pack of 500 | \$web |
| <b>40002</b> | A1 | Pack of 250 | \$web |



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